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Canned Fishery Products, 1973
ANNUAL SUMMARY (Preliminary)

Washington, D.C.
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U.S. DEPARTMENT OF COMMERCE / National Oceanic and Atmospheric Administration
National Marine Fisheries Service

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Source of data:--Since 1921, the National Marine Fisheries Service of the National Oceanic and Atmospheric Administration and its predecessor organizations have made annual surveys for statistics on the domestic production of canned fishery products. The data collected include statistics on the production and value of each canned commodity by can size and trade classification. The value shown for the products constitutes the gross amount received by the producer at the production point; no deductions are made for commissions or expenses. Statistics on the Alaska canned pack were furnished by the Alaska Department of Fish and Game.

REVIEW

The 1973 pack of canned fishery products in the United States, American Samoa, and Puerto Rico was a record both in quantity and value at 58.8 million standard cases (1.6 billion pounds) with a value of $1,182.9 million reported by the canning companies. Compared with the 1972 pack of 57.4 million standard cases valued at $998.7 million, this represented increases of 1.4 million cases (37.4 million pounds) and $184.2 million. There were record packs of tuna, animal (pet) food, whole and minced clams, clam chowder and juice, shrimp, tunalike fishes, and fish roe and caviar. The packs of salmon, mackerel, Maine sardines, alewives, crab meat, and oysters were less than in 1972.

The pack for human consumption (938.3 million pounds) was 4.4 million pounds more than in 1972. The amount packed for bait and animal (pet) food increased 33.0 million pounds. Five items--salmon, tuna, shrimp, clams and clam products, and animal (pet) food accounted for 92.9 percent of the total value of canned fishery products. The pack of animal (pet) food containing less than 10 pounds of fish per standard case was 3.9 million standard cases valued at $25.2 million; these data are not included in statistics on the total U.S. production of canned fishery products.

Salmon. The 1973 Pacific salmon pack of 1.4 million cases valued at $117.2 million was down nearly 583,000 cases or 29.1 percent from 1972 and was the smallest pack since 1906. Sharply rising wholesale prices for canned salmon, however, caused the value of the pack to increase from $90.4 million in 1972 to $117.2 million in 1973. The smaller output and higher prices were attributed in part to a decline in Alaska salmon runs, but mainly to the diversion of landings of salmon from canned production, because of higher prices for salmon on the fresh and frozen market. Total U.S. landings of salmon were down 2 percent compared with 1972, and U.S. freezings of salmon were up 53 percent compared with 1972.

The pack of canned salmon declined in all producing States, but most of the decline was in Alaska where production was 1.1 million standard cases in 1973, down 571,000 cases or 33 percent. The Washington pack of 245,600 cases was down 4 percent. The Oregon pack of 41,000 cases was also 4 percent less than 1972.

The pack of all species was down except silver (coho) salmon, which increased 16 percent compared with 1972. The red (sockeye) pack was down slightly over a third, mainly because of the near failure of the Bristol Bay runs in Alaska. The 1973 pack of pink salmon declined 19 percent compared with 1972. The pack of chum salmon was down 38 percent, and the pack of chinook (king) salmon declined 27 percent.

Tuna. The 1973 pack of tuna, 31.7 million standard cases (628.9 million pounds) valued at $714.5 million set records both in quantity and value. The pack exceeded the previous record set in 1972 by 534,699 standard cases and $81.2 million. The Pacific Coast led in production with 49.2 percent of the total pack, followed by Puerto Rico, with 36.2 percent. American Samoa, Hawaii, and Maryland packed the remainder.

Landings of tuna by U.S. vessels at U.S. ports and at Puerto Rican ports totaled a near record 514.6 million pounds--down 2 percent compared to the record in 1972 of 525.2 million pounds. Imports of tuna in 1973 were a record 826.4 million pounds (round weight)–61.7 million more than in the previous year. Canned tuna available for consumption in 1973 (U.S. pack from domestic landings plus U.S. pack from imported fresh or frozen plus imported canned) was 667.5 million pounds. About 33.5 percent or 224.0 million pounds was packed from domestic landings compared with 231.8 million pounds in 1972.

REVIEW

Sardines. The 1973 pack of sardines (sea herring) totaled 995,100 standard cases (23.3 million pounds valued at $15.7 million). Compared with 1972, this was a decrease of 566,500 standard cases. Landings of Atlantic sea herring in 1973 were 59.1 million pounds, compared with 88.5 million pounds the previous year.

Shrimp. The 1973 pack of shrimp was a record 3.8 million standard cases valued at a record $56.1 million--64,502 standard cases more than in 1970, the previous record year. This record pack was due to a sharply increased production in Alaska. Canners in Alaska packed 1.6 million standard cases in 1973 compared with 1.1 million in the previous year.

Clams. The pack of clams and clam products set volume and value records in 1973. The pack of 946,142 standard cases of whole and minced clams valued at $14.8 million was up 34 percent in quantity and 59 percent in value. The 1973 pack of 2.5 million standard cases of chowder and juice valued at $23.4 million exceeded the 1972 pack by 16 percent in quantity and 30 percent in value. Landings of surf clams, the primary species used in canning, increased from 63.4 million pounds (meat weight) in 1972 to 82.3 million pounds in 1973.

SUMMARY OF PRODUCTION, BY PRODUCTS, 1973

PRODUCTS	PLANTS	PRODUCTION			
	NUMBER	STANDARD CASES	POUNDS PER CASE	POUNDS	DOLLARS
CANNED PRODUCTS:					
FOR HUMAN CONSUMPTION:					
SALMON	68	1,421,827	48	68,247,696	117,188,648
SARDINES, MAINE	18	995,056	23.4	23,284,310	15,688,156
TUNA:					
SOLID	25	8,091,617	21	169,923,957	209,586,978
CHUNKS	21	22,159,600	19.5	432,112,200	480,858,187
FLAKES AND GRATED	18	1,493,584	18	26,884,512	24,066,784
TOTAL TUNA	1/ 26	31,744,801	-	628,920,669	714,511,949
TUNALIKE FISH	8	534,258	21-19.5-18	10,570,512	7,002,826
ALEWIVES	3	1,635	45	73,575	17,655
MACKEREL	4	63,365	45	2,851,425	540,380
GEFILTEFISH	4	327,979	48	15,742,992	7,405,399
SALMON, SMOKED	17	1,672	48	80,256	215,331
STURGEON, SMOKED	8	368	48	17,664	35,010
TUNA SPECIALTIES: SPREADS, WITH NOODLES, WITH BEANS, AND SMOKED	6	24,972	48	1,198,656	651,217
ANCHOVY PASTE	3	1,552	48	74,496	96,250
MISCELLANEOUS FISH SPECIALTIES	24	733,679	48	35,216,592	17,886,948
FISH ROE AND CAVIAR	16	184,742	48	8,867,616	6,944,082
TOTAL FISH	-	36,035,906	-	795,146,459	888,183,851
CRAB MEAT	17	125,973	19.5	2,456,474	7,509,336
CRAB MEAT AND SPECIALTIES	4	6,300	48	302,400	188,640
LOBSTER MEAT AND SPECIALTIES	4	4,039	48	193,872	221,135
SHRIMP	30	3,786,755	6.75	2/25,560,596	56,146,712
SHRIMP SPECIALTIES	9	58,786	48	2,821,728	1,668,746
CLAM AND CLAM PRODUCTS:					
WHOLE	3	3,485	15	3/ 52,275	138,571
MINCED	4	942,657	15	3/ 14,139,855	14,618,913
CHOWDER	11	2,232,042	30	3/ 66,961,260	21,901,602
JUICE	8	285,780	30	3/ 8,573,400	1,473,167
TOTAL CLAMS	1/ 22	3,463,964	-	3/89,726,790	38,132,253
CLAM SPECIALTIES	10	97,260	48	4,668,480	2,850,659
OYSTERS	15	312,243	7	2/ 2,185,701	3,933,077
OYSTER SPECIALTIES:					
SMOKED	3	38	48	1,824	7,002
STEWS AND STEW BASE	8	274,190	48	13,161,120	6,694,044
SQUID	5	33,368	48	1,601,664	323,748
MISCELLANEOUS SHELLFISH SPECIALTIES	5	10,295	48	494,160	401,688
TOTAL SHELLFISH	-	8,173,211	-	143,174,809	118,077,040
TOTAL FOR HUMAN CONSUMPTION	-	44,209,117	-	938,321,268	1,006,260,891
FOR BAIT AND ANIMAL FOOD:					
ANIMAL FOOD	39	14,563,406	48	699,043,488	173,070,382
SALMON EGGS FOR BAIT	7	10,884	48	522,432	3,548,793
TOTAL FOR BAIT AND ANIMAL FOOD	46	14,574,290	48	699,565,920	176,619,175
GRAND TOTAL	1/ 220	58,783,407	-	1,637,887,188	1,182,880,066

1/ EXCLUSIVE OF DUPLICATION.
2/ DRAINED WEIGHT.
3/ "CUT OUT" OR "DRAINED" WEIGHT OF CAN CONTENTS ARE GIVEN FOR WHOLE OR MINCED CLAMS, AND NET CONTENTS FOR OTHER CLAM PRODUCTS.

VALUE OF PRODUCTION, BY STATES, 1973

STATE	CANNED FISHERY PRODUCTS
	DOLLARS
MAINE	26,138,334
MASSACHUSETTS	36,907,157
NEW YORK	6,928,159
NEW JERSEY	28,857,138
PENNSYLVANIA AND DELAWARE	14,767,967
MARYLAND	20,526,785
VIRGINIA	617,641
NORTH CAROLINA AND SOUTH CAROLINA	4,139,780
FLORIDA	112,692
MISSISSIPPI	32,239,550
LOUISIANA	38,304,413
ILLINOIS, KANSAS, AND NEBRASKA	478,275
MICHIGAN AND WISCONSIN	2,659,032
ALASKA	112,685,193
WASHINGTON	36,400,089
OREGON	55,633,325
CALIFORNIA	374,058,239
AMERICAN SAMOA AND HAWAII	103,812,594
PUERTO RICO	287,613,703
TOTAL	1,182,880,066

FACTORS USED TO CONVERT STANDARD CASES TO POUNDS

PRODUCTS	1941	1942	1943	1944 TO 1947	1948 TO 1951
	POUNDS PER CASE				
SARDINES:					
MAINE	25	20.3	20.3	20.3	20.3
PACIFIC	48	45	45	45	45
TUNA AND TUNALIKE FISHES:					
SOLID	21	22.5	22.5	21	21
CHUNKS	-	-	-	(1)	(1)
FLAKES	21	18	18	18	18
MACKEREL	48	45	45	45	45
ALEWIVES	48	48	45	45	45
ANCHOVIES	48	48	48	48	48
SHAD	48	48	48	48	48
FISH FLAKES	48	48	48	42	42
OYSTERS	15	15	22.5	22.5	14
SHRIMP, WET PACK	17.25	21	21	21	15
CLAM PRODUCTS:					
WHOLE AND MINCED	15	15	15	15	15
JUICE, CHOWDER, BROTH, ETC.	30	30	30	30	30
CRABS	39	39	39	39	19.5
ALL OTHER	48	48	48	48	48

PRODUCTS	1952	1953 TO 1957	1958 TO 1964	1965 TO 1969	1970 TO 1973
	POUNDS PER CASE				
SARDINES:					
MAINE	20.3	20.3	23.4	23.4	23.4
PACIFIC	45	45	45	45	45
TUNA AND TUNALIKE FISHES:					
SOLID	21	21	21	21	21
CHUNKS	19.5	19.5	19.5	19.5	19.5
FLAKES	18	18	18	18	18
MACKEREL	45	45	45	45	45
ALEWIVES	45	45	45	45	45
ANCHOVIES	48	31.25	31.25	31.25	31.25
SHAD	45	45	45	45	45
FISH FLAKES	42	48	48	48	48
OYSTERS	14	14	14	14	7
SHRIMP, WET PACK	15	15	15	6.75	6.75
CLAM PRODUCTS:					
WHOLE AND MINCED	15	15	15	15	15
JUICE, CHOWDER, BROTH, ETC.	30	30	30	30	30
CRABS	19.5	19.5	19.5	19.5	19.5
ALL OTHER	48	48	48	48	48

1/ PRIOR TO 1952 CHUNK PACK TUNA WAS INCLUDED WITH THE FLAKE PACK.
NOTE:--THE FACTORS LISTED ABOVE WERE USED IN CONVERTING STANDARD CASES REPORTED IN THE CANNED FISHERY PRODUCTS BULLETINS FOR THE YEARS INDICATED.

PACK OF SALMON, 1973

SPECIES	ALASKA		WASHINGTON	
	STANDARD CASES	DOLLARS	STANDARD CASES	DOLLARS
CHINOOK OR KING	8,806	792,540	9,190	740,211
CHUM OR KETA	333,457	22,008,162	42,414	2,066,863
PINK	430,904	31,025,088	64,786	4,134,232
RED OR SOCKEYE	337,048	37,749,376	84,690	8,855,794
SILVER OR COHO	24,138	1,737,936	44,520	4,394,835
TOTAL	1,134,353	93,313,102	245,600	20,191,935

SPECIES	OREGON		TOTAL	
	STANDARD CASES	DOLLARS	STANDARD CASES	DOLLARS
CHINOOK OR KING	1/ 17,438	1/ 1,512,628	35,434	3,045,379
CHUM OR KETA	8,756	543,561	384,627	24,618,586
PINK	134	9,673	495,824	35,168,993
RED OR SOCKEYE	3,536	420,450	425,274	47,025,620
SILVER OR COHO	11,350	1,128,616	80,008	7,261,387
STEELHEAD	660	68,683	660	68,683
TOTAL	41,874	3,683,611	1,421,827	117,188,648

1/ INCLUDES A SMALL PACK PRODUCED IN CALIFORNIA.
NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF 48 1-LB CANS OF 16 OZ. EACH. SALMON WERE CANNED IN 45 PLANTS IN ALASKA, 15 PLANTS IN WASHINGTON, 7 PLANTS IN OREGON, AND 1 PLANT IN CALIFORNIA. THE PACK OF SMOKED SALMON IS INCLUDED IN THE TABLE "PACK OF MISCELLANEOUS FISHERY PRODUCTS."

PACK OF SALMON, BY CAN SIZES, 1973

STATE AND SPECIES	CAN SIZE							
	4-POUND TALL		1-POUND TALL		1/2-POUND FLAT		1/4-POUND FLAT	
	STANDARD CASES	DOLLARS	STANDARD CASES	DOLLARS	STANDARD CASES	DOLLARS	STANDARD CASES	DOLLARS
ALASKA:								
CHINOOK OR KING								
CHUM OR KETA								
PINK								
RED OR SOCKEYE			(DATA NOT AVAILABLE)					
SILVER OR COHO								
TOTAL								
WASHINGTON:								
CHINOOK OR KING	12	792	3,575	211,288	3,704	311,897	1,899	216,234
CHUM OR KETA	3,362	206,717	27,787	1,129,590	11,240	729,556	25	1,000
PINK	-	-	16,051	1,013,598	48,169	3,077,569	566	43,065
RED OR SOCKEYE	-	-	140	14,180	46,986	4,461,973	37,564	4,379,641
SILVER OR COHO	6,527	632,220	7,392	738,762	15,963	1,503,893	14,638	1,519,960
TOTAL	9,901	839,729	54,945	3,107,418	126,062	10,084,888	54,692	6,159,900
OREGON:								
CHINOOK OR KING	-	-	3,125	178,937	1/12,019	1/1,113,031	2,294	220,660
CHUM OR KETA	-	-	6,176	371,246	2,580	172,315	-	-
PINK	-	-	-	-	112	7,359	22	2,314
RED OR SOCKEYE	-	-	-	-	1,208	130,410	2,328	290,040
SILVER OR COHO	-	-	931	43,710	2,409	245,840	8,010	839,066
STEELHEAD	-	-	-	-	114	5,405	546	63,278
TOTAL	-	-	10,232	593,893	18,442	1,674,360	13,200	1,415,358
GRAND TOTAL								

1/ INCLUDES A SMALL PACK IN CALIFORNIA.
NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CANS CONVERTED TO THE EQUIVALENT OF 48 1-LB CANS OF 16 OZ. EACH.

WASHINGTON AND OREGON
SALMON PACK, BY DISTRICTS, 1973

SPECIES	PUGET SOUND		COLUMBIA RIVER		COASTAL		TOTAL	
	STANDARD CASES	DOLLARS	STANDARD CASES	DOLLARS	STANDARD CASES	DOLLARS	STANDARD CASES	DOLLARS
CHINOOK OR KING	4,032	369,720	22,107	1,840,095	1/489	1/43,024	26,628	2,252,839
CHUM OR KETA	42,237	2,056,597	8,933	553,827	-	-	51,170	2,610,424
PINK	64,786	4,134,232	134	9,673	-	-	64,920	4,143,905
RED OR SOCKEYE	84,645	8,851,166	3,581	425,078	-	-	88,226	9,276,244
SILVER OR COHO	43,637	4,303,012	12,115	1,208,664	118	11,775	55,870	5,523,451
STEELHEAD	-	-	660	68,683	-	-	660	68,683
TOTAL	239,337	19,714,727	47,530	4,106,020	607	54,799	287,474	23,875,546

1/ INCLUDES A SMALL PACK PRODUCED IN CALIFORNIA.
NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CANS CONVERTED TO THE EQUIVALENT OF 48 1-LB CANS OF 16 OZ. EACH.

PUGET SOUND SALMON PACK, BY ORIGIN OF FISH, 1973

SPECIES	LOCAL FISH	ALASKAN FISH	TOTAL FISH
	STANDARD CASES		
CHINOOK OR KING	4,032	-	4,032
CHUM OR KETA	41,410	827	42,237
PINK	64,786	-	64,786
RED OR SOCKEYE	81,000	3,645	84,645
SILVER OR COHO	37,865	5,772	43,637
TOTAL	229,093	10,244	239,337

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF 48 1-LB CANS OF 16 OZ. EACH.

PACK OF MAINE SARDINES, 1973

STYLE OF PACK	QUANTITY	VALUE
	STANDARD CASES	DOLLARS
IN SOYBEAN OIL	752,049	12,619,428
IN MUSTARD SAUCE	128,365	1,763,406
IN TOMATO SAUCE	66,471	461,210
OTHER (IN PEANUT OIL, AND WITH CHILI PEPERS)	48,171	844,112
TOTAL	995,056	15,688,156

NOTE:-- "STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE UNIFORM BASIS OF 100 NO. 1/4 OIL CANS (3-3/4 OZ. NET) TO THE CASE. SARDINES WERE CANNED IN 18 PLANTS IN MAINE.

PACK OF TUNA, 1973

SPECIES	CALIFORNIA		WASHINGTON AND OREGON		ATLANTIC COAST, HAWAII, AND TERRITORIES		TOTAL	
	STANDARD CASES	DOLLARS	STANDARD CASES	DOLLARS	STANDARD CASES	DOLLARS	STANDARD CASES	DOLLARS
ALBACORE:								
SOLID PACK. .	1,488,620	39,932,744	695,738	18,257,524	4,206,778	114,159,959	6,391,136	172,350,227
CHUNKS. . . .	280,725	6,919,914	267,868	7,237,241	1,322,881	33,050,694	1,871,474	47,207,849
FLAKES AND GRATED . . .	127,238	1,669,801	45,688	1,011,530	371,668	6,265,592	544,594	8,946,923
TOTAL. . .	1,896,583	48,522,459	1,009,294	26,506,295	5,901,327	153,476,245	8,807,204	228,504,999
LIGHT MEAT:								
SOLID PACK. .	961,812	21,232,195	(1)	(1)	738,669	16,004,556	1,700,481	37,236,751
CHUNKS. . . .	10,472,595	217,832,088	678,221	14,008,216	9,137,310	201,810,034	20,288,126	433,650,338
FLAKES AND GRATED . . .	607,862	9,512,317	(1)	(1)	341,128	5,607,544	948,990	15,119,861
TOTAL. . .	12,042,269	248,576,600	678,221	14,008,216	10,217,107	223,422,134	22,937,597	486,006,950
GRAND TOTAL . .	13,938,852	297,099,059	1,687,515	40,514,511	16,118,434	376,898,379	31,744,801	714,511,949

1/ THE PACK OF LIGHTMEAT HAS BEEN INCLUDED WITH ALBACORE.
NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF 48 NO. 1/2 TUNA CANS TO THE CASE, EACH CONTAINING 7 OZ. NET WEIGHT OF SOLID PACK, 6-1/2 OZ. NET WEIGHT OF CHUNKS, AND 6 OZ. NET WEIGHT FLAKES OR GRATED. THE PACK OF DIETETIC TUNA IS INCLUDED IN THESE TOTALS. TUNA WERE CANNED IN 8 PLANTS IN CALIFORNIA, 5 PLANTS EACH IN PUERTO RICO, AND OREGON, 4 PLANTS IN WASHINGTON, 2 PLANTS IN AMERICAN SAMOA, AND 1 PLANT EACH IN MARYLAND AND HAWAII. DATA ON THE PACK OF TUNA SPECIALTIES CAN BE FOUND IN THE TABLE "PACK OF MISCELLANEOUS FISHERY PRODUCTS." THE PACK OF TUNA FOR ANIMAL FOOD IS NOT INCLUDED IN THE ABOVE TABLE.

PACK OF TUNA, BY CAN SIZES, 1973

CAN AND CASE SIZES	QUANTITY	VALUE
	ACTUAL CASES	DOLLARS
4-POUND . . . . . (12 CANS)	1,574,064	43,375,603
1-POUND . . . . . (48 CANS)	1,952,283	82,528,658
1/2-POUND . . . . . (48 CANS)	22,094,120	493,330,774
1/4-POUND . . . . . (48 CANS)	2,076,833	29,101,663
9-1/4 OUNCES. . . . . (24 CANS)	3,540,194	53,029,052
OTHER SIZES	1/485,277	13,146,199
TOTAL	31,722,771	714,511,949

1/ CONVERTED TO STANDARD CASES.

PACK OF TUNA, BY AREAS AND STATES, 1973

AREA AND STATE	QUANTITY	VALUE	AREA AND STATE	QUANTITY	VALUE
	STANDARD CASES	DOLLARS		STANDARD CASES	DOLLARS
PACIFIC COAST:			OTHER:		
WASHINGTON.	96,764	1,486,506	MARYLAND, HAWAII, AND AMERICAN		
OREGON.	1,590,751	39,028,005	SAMOA.	4,641,605	113,411,869
CALIFORNIA.	13,938,852	297,099,059	PUERTO RICO . . .	11,476,829	263,486,510
TOTAL	15,626,367	337,613,570	TOTAL	16,118,434	376,898,379
			GRAND TOTAL .	31,744,801	714,511,949

PACK OF TUNALIKE FISH, 1973

SPECIES	QUANTITY	VALUE
	STANDARD CASES	DOLLARS
BONITO:		
SOLID, PACK, CHUNK, FLAKES OR GRATED	534,258	7,002,826

NOTE:--"STANDARD CASES" REPRESENT THE EQUIVALENT OF 48 NO. 1/2 TUNA CANS TO THE CASE, EACH CONTAINING 7 OZ. NET WEIGHT OF SOLID PACK, 6-1/2 OZ. NET WEIGHT OF CHUNK, AND 6 OZ. NET WEIGHT OF FLAKES OR GRATED. TUNALIKE FISH WERE CANNED IN 8 PLANTS IN CALIFORNIA.

PACK OF ALEWIVES, 1973

STATE AND NUMBER OF PLANTS	QUANTITY	VALUE
	STANDARD CASES	DOLLARS
NORTH CAROLINA (2) AND VIRGINIA (1)	1,635	17,655

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF 48 CANS OF 15 OZ. EACH.

PACK OF MACKEREL, 1973

ITEM	QUANTITY	VALUE
	STANDARD CASES	DOLLARS
JACK MACKEREL, NATURAL.	63,365	540,380

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CANS CONVERTED TO THE EQUIVALENT OF 48 CANS OF 15 OZ. EACH. MACKEREL WAS CANNED IN 4 PLANTS IN CALIFORNIA.

PACK OF ANIMAL FOOD FROM FISHERY PRODUCTS, 1973

STATE AND NUMBER OF PLANTS	QUANTITY	VALUE
	STANDARD CASES	DOLLARS
MASSACHUSETTS (2) AND NEW JERSEY (1).	1,560,110	18,106,921
MARYLAND (1), PENNSYLVANIA (2), AND VIRGINIA (1).	321,813	3,330,097
LOUISIANA (1) AND MISSISSIPPI (3)	4,581,746	30,296,744
ILLINOIS (1), KANSAS (1), NEBRASKA (1), AND WISCONSIN (1)	380,826	3,035,007
CALIFORNIA (9).	4,420,592	68,706,383
OREGON (6) AND WASHINGTON (2)	1,359,546	16,498,936
AMERICAN SAMOA (2) AND HAWAII (1)	506,791	8,969,101
PUERTO RICO (4)	1,431,982	24,127,193
TOTAL (39).	14,563,406	173,070,382

NOTE:--EACH STANDARD CASE CONTAINS 10 OR MORE POUNDS OF FISH. AN ADDITIONAL PACK OF 3,883,573 STANDARD CASES VALUED AT $25,200,097 HAD LESS THAN 10 POUNDS OF FISH PER STANDARD CASE AND IS NOT INCLUDED IN THE ABOVE PACK. "STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF 48 CANS OF 16 OZ. EACH.

PACK OF FISH ROE AND CAVIAR, 1973

PRODUCT AND NUMBER OF PLANTS	QUANTITY	VALUE	STATE AND NUMBER OF PLANTS
	STANDARD CASES	DOLLARS	
ALEWIFE ROE (5)	6,126	215,770	NORTH CAROLINA (2) AND VIRGINIA (3)
SALMON CAVIAR (3)	2,464	794,893	NEW YORK (3)
SHAD ROE (5)	809	106,027	OREGON (4) AND WASHINGTON (1)
STURGEON CAVIAR (3)	1,112	1,897,000	NEW YORK (3)
WHITEFISH CAVIAR (4)	4,092	232,448	NEW YORK (3) AND WISCONSIN (1)
GROUNDFISH ROE (1), HERRING ROE (1), AND LUMPFISH CAVIAR	170,139	3,697,944	MAINE (1), MASSACHUSETTS (1), AND NEW YORK (2)
TOTAL EDIBLE ROE AND CAVIAR.(16)	184,742	6,944,082	
SALMON EGGS FOR BAIT (7)	10,884	3,548,793	WASHINGTON (7)
GRAND TOTAL (23)	195,626	10,492,875	

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF 48 CANS OF 16 OZ. EACH.

PACK OF FISH ROE AND CAVIAR, BY STATES, 1973

STATE AND NUMBER OF PLANTS	QUANTITY	VALUE
	STANDARD CASES	DOLLARS
NEW YORK (3)	10,182	3,071,566
NORTH CAROLINA (2) AND VIRGINIA (3)	6,126	215,770
MAINE (1), MASSACHUSETTS (1), AND WISCONSIN (1)	167,625	3,550,719
OREGON (4) AND WASHINGTON (8)	11,693	3,654,820
TOTAL (23)	195,626	10,492,875

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF 48 CANS OF 16 OZ. EACH.

PACK OF CRAB MEAT, 1973

STATE AND NUMBER OF PLANTS	SPECIES	QUANTITY	VALUE
		STANDARD CASES	DOLLARS
ATLANTIC AND GULF STATES:			
MAINE (1), NORTH CAROLINA (1), SOUTH CAROLINA (1), AND MISSISSIPPI (2)	BLUE 1/	84,495	3,666,335
PACIFIC COAST STATES:			
ALASKA (2), OREGON (1), AND WASHINGTON (1)	DUNGENESS	2,823	262,676
ALASKA (6) AND WASHINGTON (1)	SNOW	13,716	899,871
ALASKA (5)	KING	24,939	2,680,454
TOTAL EXCLUSIVE OF DUPLICATION (12)		41,478	3,843,001
GRAND TOTAL (17)		125,973	7,509,336

1/ INCLUDES A SMALL PACK OF ROCK CRABS IN MAINE.
NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF 48 CANS OF 6-1/2 OZ. EACH.

PACK OF CLAMS AND CLAM PRODUCTS, 1973

SPECIES	WHOLE AND MINCED		CHOWDER AND JUICE		TOTAL	
	STANDARD CASES	DOLLARS	STANDARD CASES	DOLLARS	STANDARD CASES	DOLLARS
CLAMS:						
HARD, SOFT, AND SURF. . . .	945,476	14,719,540	2,517,822	23,374,769	3,463,298	38,094,309
RAZOR	666	37,944	-	-	666	37,944
TOTAL	946,142	14,757,484	2,517,822	23,374,769	3,463,964	38,132,253

NOTE:--CLAMS WERE CANNED IN 5 PLANTS IN NEW JERSEY, 2 PLANTS EACH IN ALASKA, DELAWARE, MAINE, MARYLAND, MASSACHUSETTS, NEW YORK, AND WASHINGTON, 1 PLANT EACH IN FLORIDA, PENNSYLVANIA, AND OREGON.

"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF 48 NO. 1 PICNIC CANS, EACH CAN OF WHOLE OR MINCED CLAMS CONTAINING 5 OZ. OF MEAT, DRAINED WEIGHT, AND EACH CAN OF CHOWDER, JUICE, BROTH, NECTAR 10 OZ. NET CONTENTS. THE PACK OF CLAMS IN THE SHELL IS NOT INCLUDED.

CLAM PRODUCTION, BY TYPE OF PACK, 1973

PRODUCTION AND NUMBER OF PLANTS	QUANTITY		VALUE
	STANDARD CASES	POUNDS	DOLLARS
CLAMS:			
WHOLE (3)	3,485	52,275	138,571
MINCED (14)	942,657	14,139,855	14,618,913
CHOWDER (11).	2,232,042	66,961,260	21,901,602
JUICE (INCLUDES BROTH, JUICE, AND NECTAR) (8)	285,780	8,573,400	1,473,167
TOTAL, EXCLUSIVE OF DUPLICATION (22). . .	3,463,964	89,726,790	38,132,253

PACK OF OYSTERS, 1973

STATE AND NUMBER OF PLANTS	QUANTITY	VALUE
	STANDARD CASES	DOLLARS
LOUISIANA (6), MISSISSIPPI (6), SOUTH CAROLINA (1), AND WASHINGTON (2)	312,243	3,933,077

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF 24 CANS OF 4-2/3 OZ. OYSTER MEATS.

PACK OF SHRIMP, 1973

STATE AND NUMBER OF PLANTS	QUANTITY	VALUE
	STANDARD CASES	DOLLARS
GULF STATES:		
LOUISIANA (11)	1,732,528	32,198,303
MISSISSIPPI (9)	223,811	4,814,268
TOTAL (20)	1,956,339	37,012,571
PACIFIC STATES:		
OREGON (3) AND WASHINGTON (2)	276,092	3,590,901
ALASKA (5)	1,554,324	15,543,240
TOTAL (10)	1,830,416	19,134,141
GRAND TOTAL (30)	3,786,755	56,146,712

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF 24 CANS OF 4-1/2 OZ. OF SHRIMP MEATS.

PACK OF MISCELLANEOUS FISHERY PRODUCTS, 1973

PRODUCT	QUANTITY	VALUE	LOCATION AND NUMBER OF PLANTS
	STANDARD CASES	DOLLARS	
FISH:			
ANCHOVY PASTE	1,552	96,250	MICHIGAN (1) AND NEW YORK (2)
GEFILTEFISH	327,979	7,405,399	NEW JERSEY (3) AND NEW YORK (1)
HERRING SPECIALTIES	41,793	766,358	MAINE (11)
SALMON, SMOKED	1,672	215,331	ALASKA (6), OREGON (3), AND WASHINGTON (8)
STURGEON, SMOKED	368	35,010	OREGON (3) AND WASHINGTON (5)
TUNA SPECIALTIES, SPREADS, SMOKED, WITH NOODLES, AND WITH BEANS	24,972	651,217	CALIFORNIA (2), MAINE (1), OREGON (1), PENNSYLVANIA (1), AND WASHINGTON (1)
OTHER (ANCHOVIES, COD, HADDOCK, ATLANTIC MACKEREL, KING MACKEREL, LAKE TROUT, POLLOCK, SALMON, SHAD, WHITEFISH, WAHOO, AND UNCLASSIFIED FISH, NATURAL PACK, IN SAUCES, SMOKED, BITES, CHOWDERS, ET AL.)	691,886	17,120,590	CALIFORNIA (1), FLORIDA (1), MAINE (3), MASSACHUSETTS (1), MICHIGAN (1) NEW JERSEY (2), OREGON (2), WASHINGTON (2), AND AMERICAN SAMOA (2)
TOTAL FISH	1,090,222	26,290,155	
SHELLFISH:			
CLAM SPECIALTIES (A LA KINGS, CRISPS, DIPS, IN SHELL, SPREADS, IN SAUCES, ET AL.)	97,260	2,850,659	DELAWARE (1), MAINE (1), NEW JERSEY (4), OREGON (1), AND WASHINGTON (3)
CRAB SPECIALTIES (DEVILED, DIPS, GUMBOS, SOUPS, AND SPREADS)	6,300	188,640	LOUISIANA (1), MAINE (1), NEW JERSEY (1), AND SOUTH CAROLINA (1)
LOBSTER SPECIALTIES (DEVILED, DIPS, NEWBURGS, SAUCES, AND MEATS)	4,039	221,135	DELAWARE (1), MAINE (1), MICHIGAN (1), AND NEW JERSEY (1)
OYSTER SPECIALTIES:			
SMOKED	38	7,002	WASHINGTON (3)
STEWS AND STEW BASE	274,190	6,694,044	LOUISIANA (1), MICHIGAN (1), NEW JERSEY (1), OREGON (1), SOUTH CAROLINA (1), AND WASHINGTON (3)
SHRIMP SPECIALTIES (CREOLES, DIPS, GUMBOS, PASTES, SOUPS, AND PICKLED)	58,786	1,668,746	LOUISIANA (3), MAINE (1), MICHIGAN (1), NEW JERSEY (1), OREGON (1), SOUTH CAROLINA (1), AND WASHINGTON (1)
SQUID	33,368	323,748	CALIFORNIA (3), NEW JERSEY (1), AND NEW YORK (1)
OTHER SPECIALTIES (CONCHS, CRAWFISH, MUSSELS, TURTLES. PACKED NATURAL, OR IN SAUCES, OR AS CHOWDERS, ET AL.)	10,295	401,688	FLORIDA (1), LOUISIANA (2), NEW JERSEY (1), AND NEW YORK (1)
TOTAL SHELLFISH	484,276	12,355,662	
GRAND TOTAL	1,574,498	38,645,817	

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF 48 CANS TO THE CASE, EACH CONTAINING 16 OZ. NET WEIGHT.

PLANTS PRODUCING CANNED FISHERY PRODUCTS, 1973

Area and State	Plants Number
New England:	
Maine	20
Massachusetts	4
Total	24
Middle Atlantic:	
New York	7
New Jersey	11
Pennsylvania	3
Delaware	2
Total	23
Chesapeake:	
Maryland	3
Virginia	4
Total	7
South Atlantic and Gulf:	
North Carolina	4
South Carolina	2
Florida	3
Mississippi	10
Louisiana	18
Total	37
Great Lakes and Mississippi River:	
Illinois	1
Kansas	1
Michigan	1
Nebraska	1
Wisconsin	2
Total	6
Pacific:	
Washington	35
Oregon	13
California	14
Alaska	53
Total	115
Hawaii	1
American Samoa	2
Puerto Rico	5
Grand total	220

PACK OF CANNED FISHERY PRODUCTS, 1955-73

Year	Salmon					
	Washington and Oregon		Alaska		Total Salmon	
	Standard cases	Dollars	Standard cases	Dollars	Standard cases	Dollars
1955	903,816	24,507,762	2,384,820	56,848,555	3,288,636	81,356,317
1956	482,304	16,523,868	3,022,906	78,577,457	3,505,210	95,101,325
1957	743,003	23,245,194	2,463,599	62,904,280	3,206,602	86,149,474
1958	760,663	26,712,763	2,971,297	66,108,959	3,731,960	92,821,722
1959	687,199	22,358,370	1,778,014	49,468,965	2,465,213	71,827,335
1960	263,197	11,661,978	2,571,156	76,534,952	2,834,353	88,196,930
1961	484,764	18,657,917	3,211,962	98,296,650	3,696,726	116,954,567
1962	325,919	12,320,938	3,474,817	94,390,920	3,800,736	106,711,858
1963	639,378	20,528,749	2,655,479	67,434,050	3,294,857	87,962,799
1964	209,819	8,230,687	3,549,379	87,530,030	3,759,198	95,760,717
1965	365,679	15,035,941	3,267,935	107,708,140	3,633,614	122,744,081
1966	367,090	15,528,682	3,990,425	120,546,688	4,357,515	136,075,370
1967	608,339	24,039,825	1,464,006	52,081,517	2,072,345	76,121,342
1968	209,717	8,634,215	3,237,982	109,381,249	3,447,699	118,015,464
1969	267,753	12,550,762	2,283,168	77,735,204	2,550,921	90,285,966
1970	257,692	14,095,902	3,564,508	124,577,532	3,822,200	138,673,434
1971	610,398	29,840,588	2,899,011	107,981,152	3,509,409	137,821,740
1972	298,678	15,115,268	1,705,326	75,293,999	2,004,004	90,409,267
1973	287,474	23,875,546	1,134,353	93,313,102	1,421,827	117,188,648

Year	Tuna		Tunalike fishes		Mackerel	
	Standard cases	Dollars	Standard cases	Dollars	Standard cases	Dollars
1955	9,933,580	125,222,513	4,815	36,551	564,429	3,333,979
1956	11,827,156	140,287,093	6,859	51,249	1,116,343	6,434,860
1957	11,891,011	135,812,882	12,079	94,021	1,326,584	7,403,682
1958	14,094,101	161,793,000	111,371	821,919	404,425	2,657,012
1959	14,331,713	159,142,613	57,505	382,932	586,818	4,234,735
1960	15,305,434	172,678,873	14,423	106,859	934,946	5,803,965
1961	15,767,704	189,173,434	159,065	1,119,967	1,378,353	8,528,649
1962	17,017,928	209,820,638	31,935	212,550	1,220,374	7,559,600
1963	16,555,820	201,587,651	71,541	570,403	1,275,452	7,603,429
1964	17,689,003	217,584,565	24,674	177,062	1,079,823	6,760,040
1965	18,098,804	232,976,412	48,253	393,588	703,447	4,997,034
1966	19,953,567	270,239,053	229,014	1,828,935	412,776	3,346,044
1967	19,681,636	261,527,288	311,346	2,528,466	282,958	2,362,688
1968	20,011,690	268,731,412	214,716	1,837,499	495,424	4,098,122
1969	20,097,639	297,455,948	252,548	2,180,363	385,646	3,316,721
1970	22,063,340	380,573,595	139,541	1,450,339	188,609	1,533,935
1971	22,204,973	413,235,674	285,027	3,316,312	367,043	3,076,373
1972	31,210,102	633,313,073	336,795	4,149,980	305,847	2,617,774
1973	31,744,801	714,511,949	534,258	7,002,826	63,365	540,380

Year	Sardines Maine		Anchovies		Alewives	
	Standard cases	Dollars	Standard cases	Dollars	Standard cases	Dollars
1955	1,268,843	9,333.350	415,149	2,430,732	44,645	206,004
1956	2,231,441	16,692,008	612,302	3,360,586	40,805	164,940
1957	2,217,688	14,733,259	440,247	2,344,319	30,562	131,019
1958	2,099,959	15,873,963	53,735	308,848	51,182	231,339
1959	1,753,145	14,902,142	4,275	29,444	72,893	340,459
1960	1,997,618	16,699,987	(1)	(1)	41,891	194,524
1961	753,647	7,559,619	73,108	409,276	52,339	240,828
1962	2,147,367	20,076,606	16,414	62,677	61,368	273,616
1963	1,619,235	13,243,902	(1)	(1)	93,933	374,563
1964	865,751	7,583,821	(1)	(1)	74,581	300,402
1965	1,266,903	10,868,060	(1)	(1)	66,942	271,342
1966	1,332,544	12,261,590	(1)	(1)	96,816	394,789
1967	1,250,411	13,862,330	(1)	(1)	109,929	506,089
1968	1,730,306	19,296,678	(1)	(1)	75,768	448,994
1969	1,042,806	11,511,902	(1)	(1)	62,260	367,898
1970	806,501	11,226,817	—	—	22,538	133,532
1971	950,821	10,855,717	(1)	(1)	45,497	377,501
1972	1,561,535	23,877,119	(1)	(1)	12,734	120,829
1973	995,056	15,688,156	(1)	(1)	1,635	17,655

See footnotes at end of table.

(Continued on next page)

PACK OF CANNED FISHERY PRODUCTS, 1955-73 - Continued

Year	Fish roe, caviar and eggs for bait		Animal food 2/		Crab meat	
	Standard cases	Dollars	Standard cases	Dollars	Standard cases	Dollars
1955	58,218	1,910,580	5,337,449	27,517,188	99,180	2,190,664
1956	63,053	1,957,045	6,688,039	32,715,455	124,667	2,720,848
1957	63,314	2,453,769	7,223,382	34,152,747	154,514	3,104,606
1958	64,020	2,695,580	7,503,248	41,959,061	143,809	3,070,355
1959	70,800	2,648,269	7,210,467	37,077,034	150,890	3,548,677
1960	66,107	2,729,387	8,786,922	43,979,255	211,019	5,456,628
1961	59,262	2,898,880	6,944,775	39,072,156	256,433	7,226,711
1962	77,587	3,159,196	7,826,774	45,866,224	288,235	7,826,022
1963	69,919	3,337,938	6,378,936	39,041,806	377,255	10,322,026
1964	88,296	4,927,300	7,341,670	43,470,700	336,793	8,636,464
1965	72,801	4,195,989	7,736,565	46,847,744	468,656	14,738,883
1966	59,631	4,690,785	7,596,229	54,613,700	564,198	16,444,462
1967	64,894	5,070,966	10,397,898	78,255,879	497,782	16,117,063
1968	56,306	6,586,168	10,088,424	82,504,451	206,099	8,977,132
1969	50,904	6,095,571	9,402,632	80,617,734	257,784	14,331,261
1970	44,497	7,999,681	11,243,806	105,231,587	261,410	10,488,780
1971	44,669	7,452,246	10,666,923	101,510,503	164,770	7,029,359
1972	36,923	5,221,009	13,877,134	139,180,427	146,747	8,064,445
1973	195,626	10,492,875	14,563,406	173,070,382	125,973	7,509,336

Year	Whole and minced		Clam products, chowder, juice, broth, etc.		Total	
	Standard cases	Dollars	Standard cases	Dollars	Standard cases	Dollars
1955	369,963	4,332,274	1,259,144	7,725,052	1,629,107	12,057,326
1956	401,568	5,094,064	1,346,020	8,387,068	1,747,588	13,481,132
1957	382,628	5,118,046	1,294,981	8,198,608	1,677,609	13,316,654
1958	325,036	4,601,773	1,256,212	7,948,856	1,581,248	12,550,629
1959	416,756	5,422,013	1,182,495	7,868,815	1,599,251	13,290,828
1960	384,630	5,108,310	1,316,225	8,567,359	1,700,855	13,675,669
1961	460,492	5,727,019	1,443,795	10,097,365	1,904,287	15,824,384
1962	598,879	7,086,240	1,501,180	10,028,659	2,100,059	17,114,899
1963	548,348	6,374,165	1,683,877	11,074,858	2,232,225	17,449,023
1964	578,569	6,693,714	1,722,318	11,262,788	2,300,887	17,956,502
1965	611,682	7,028,322	1,947,237	11,068,520	2,558,919	18,096,842
1966	586,915	7,254,136	2,033,032	13,870,782	2,619,947	21,124,918
1967	689,131	8,951,292	1,846,813	12,774,266	2,535,944	21,725,558
1968	507,752	6,725,490	1,807,132	13,718,062	2,314,884	20,443,552
1969	432,113	6,957,538	1,881,363	15,087,737	2,313,476	22,045,275
1970	580,239	10,242,388	1,892,974	15,418,850	2,473,213	25,661,238
1971	634,451	9,795,912	2,048,701	16,548,367	2,683,152	26,344,279
1972	703,819	9,274,087	2,161,426	17,988,907	2,865,245	27,262,994
1973	946,142	14,757,484	2,517,822	23,374,769	3,463,964	38,132,253

Year	Oysters		Shrimp		Other fish and shellfish	Total
	Standard cases	Dollars	Standard cases	Dollars	Dollars	
1955	1,119,204	7,003,967	2,002,307	13,562,310	17,003,880	303,165,361
1956	930,276	6,256,581	2,020,138	16,421,433	13,871,319	349,515,874
1957	997,352	7,008,471	1,351,113	13,135,880	15,988,276	335,829,059
1958	797,102	5,444,713	2,119,731	20,790,602	27,563,413	388,582,156
1959	842,234	5,720,918	2,049,222	16,948,470	18,157,239	348,251,095
1960	821,042	5,640,280	2,113,820	17,232,593	15,200,355	387,595,305
1961	891,370	5,776,364	1,375,418	11,741,826	16,309,733	422,836,394
1962	643,010	4,556,815	1,962,840	18,973,182	14,651,836	456,865,719
1963	892,688	5,632,817	2,356,216	19,531,170	14,949,115	421,606,642
1964	844,522	5,291,680	1,442,960	12,985,850	15,224,565	436,659,668
1965	576,100	3,700,653	2,315,448	20,654,847	14,745,031	495,230,506
1966	400,000	3,201,143	2,103,925	21,973,348	17,514,233	563,708,370
1967	660,374	6,152,076	2,496,427	24,332,213	17,001,305	525,563,263
1968	650,962	5,623,645	2,809,965	29,443,519	17,901,148	583,907,784
1969	285,696	2,163,504	3,071,021	27,730,096	17,430,315	575,532,554
1970	271,968	2,101,517	3,722,253	37,276,782	19,408,627	741,759,864
1971	483,812	4,813,700	3,310,385	33,647,503	21,116,493	770,597,400
1972	399,679	4,292,030	3,525,186	38,396,344	21,795,669	998,700,960
1973	312,243	3,933,077	3,786,755	56,146,712	38,645,817	1,182,880,066

1/ Included with other fish and shellfish.
2/ Beginning in 1961 canned animal food includes only the pack containing 10 lbs. or more of raw fish per standard case.

Note:-- To change standard cases in this table to pounds, use factors for latest year shown on page 5.

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL MARINE FISHERIES SERVICE
Washington, D.C. 20235

OFFICIAL BUSINESS

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-210